1954

Don Bently pioneers the first commercially successful eddy-current transducer.

1955

Bently Scientific Company is founded in Berkeley, California.

1969

First Machinery Diagnostics Course.

1971

We establish offices in principal industrial centers around the world.

1979

Machinery Diagnostic Services is established, providing the capability to diagnose and solve machinery problems.

1980

ADRE® uses a desktop computer to capture & plot vibration data.

1988

Designed for manufacturability, the 3300 Monitoring System delivers more features at less cost.

1992

Engineer Assist™ expert system converts data into immediately actionable information.

From the desk of...

Move data not people - today's productivity tool

by Roger Harker
President and Chief Operating Officer
Bently Nevada Corporation

The most valuable asset in any plant is its people. The knowledge they are able to apply adds more value to a process than any other investment. A plant reaches maximum efficiency when its skilled people spend their time making it run at peak performance.

In most plants, staffing levels are being reduced. Skilled people can no longer afford to spend their time on tasks that don't require their knowledge. To operate effectively with fewer people, it is vital to leverage their knowledge.

Knowledge is leveraged when skilled people are freed from less-skilled tasks, so they can more broadly apply their knowledge to bring the greatest return. Knowledge can be leveraged in many areas: Finance, marketing, engineering, manufacturing, etc. This leverage can come from systems that free skilled people from repetitive tasks and supply them with the information they need to make informed decisions.

We know that you buy our systems because they increase plant profitability. We design products to maximize your return on investment. That is why we focus very heavily on our systems' ability to transfer information through networks or remote communications.

We want to leverage your machinery knowledge, to make you more productive. We are convinced that every hour you spend making machines run longer and more efficiently pays for itself many times over. The most direct way to increase your productivity is to give you more time to solve machine problems. Tasks that can take up large blocks of your time are data collection and travel. Our solution: *Move data not people.*

Our new systems allow you to be miles away from a plant and solve machine problems nearly as effectively as if you were there. You can simultaneously view the same data with on-site personnel to quickly resolve a problem.

Move data not people is a philosophy we have implemented in several ways:

1. Trendmaster® 2000 for Windows automatically collects, reduces and trends data from general-purpose machines. It moves data from machines to the people who need it.

2. Networked systems: Trendmaster 2000 for Windows; and our data acquisition and diagnostic systems for critical machines, Dynamic Data Manager® 2 (for steady-state data) and Transient Data Manager®2 (for steady-state and transient data). These systems' data can be networked with plant or DCS computers, where it moves continually to operators, engineers and managers.

3. Our remote access systems: Trendmaster 2000 for Windows, Dynamic Data Manager 2 and Transient Data Manager 2. Remote access moves a machine's current and trend data via telephone, anywhere in the world.

4. The Serial Data Interface on our 3300 Monitoring System moves monitor data into plant and DCS computers, making it available to operators, engineers and managers.

1961

Bently Scientific Company moves from Berkeley to Minden, Nevada and becomes Bently Nevada Corporation.

1968

Our first continuous monitoring system, the 5000 Series, is very successful.

1975

Our 7200 Series Monitoring System & transducer line meet all API 670 requirements.

1978

Material Requirements Planning System minimizes production lead times and maximizes on-time deliveries.

1982

Bently Rotor Dynamics Research Corporation is established to advance knowledge of rotating machines.

1987

Our Data Manager® family of communications processors interfaces vibration and process data with diagnostic computers.

1993

ADRE® for Windows is a powerful, easy-to-use and portable machinery diagnostic system.

1995

3500 Monitoring System provides monitor flexibility and maximum connectivity. Computer Based Training helps meet your training needs.

Microsoft® SOLUTION PROVIDER

5. Our Engineer Assist™ expert system moves data into an immediately useful form: Actionable Information. Engineer Assist analyzes machine data according to sophisticated, field-tested rules, and generates reports that suggest repair and operation options. Engineer Assist reports can also be transmitted over phone lines to a remote location.

6. Our Machinery Diagnostic Services' remote diagnostic service. We can transmit data from your machine through telephone lines, to our engineers. In a few hours, we can fax you a diagnostic report.

7. Our Computer-Based Training courses. Many of the training topics we have used around the world for 26 years are available on computer disk, in an easy-to-use, interesting and valuable format. We can design a training program, specific to your needs, which can be held at your site.

Today, productivity gains come from moving data to people with the knowledge to solve problems. ■

We are pleased to announce that Bently Nevada is now a Microsoft Solution Provider Partner. This relationship allows us to significantly improve the quality of our software products and services. It also conveys our commitment to the Microsoft family of computer operating systems as the platform for all our new software products.

Here are just a few examples of what this means for you:

1. *Adherence to global standards* for software, networking, and information exchange with other programs. You can use our software with the confidence that it protects your existing investment in Microsoft-compatible computers, networks, and other application programs.

2. *Quality software solutions.* Bently Nevada now has direct access to Microsoft technical experts. The ability to work together at this level helps ensure better compatibility with Microsoft's operating systems and features.

3. A *"user-friendly" graphical interface* that maintains industry standards. Since we are committed to using industry standards for software which are already familiar to most users of other application software packages, your training requirements (and costs!) are greatly reduced.

4. *Service support* that is Microsoft certified. This helps ensure quality installations of our products that are quick, easy and efficient.

Microsoft has used its position as the world's leading supplier of operating systems and software for desktop computers to create common standards. These standards solve the complexities of sharing data between programs, hardware compatibility, software compatibility and common "look and feel." Bently Nevada's relationship with Microsoft now allows us to exploit the expertise of both companies to deliver even better value and quality to you. As a Microsoft Solution Provider Partner, we continue our tradition of taking excellent care of you, our customers. ■